



Portland General Electric Company

DOCKET NUMBER
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RELATED CONFERENCE



April 20, 1979

NRC PUBLIC DOCUMENT ROOM

Answers to Intervenor Questions

LWE-12-79

Ms. Nina Bell
Consolidated Intervenor
728 S. E. 26th Avenue
Portland, OR 97214

Mr. Eugene Rosolie
Coalition for Safe Power
215 S. E. 9th Avenue
Portland, OR 97214

Dear Ms. Bell and Mr. Rosolie:

In accordance with discussions at the March 31, 1979 Prehearing Conference, the following are answers to questions which you raised at that time.

Rosolie Question 1 (Tr. 3181):

"In that section [Page 3-6], there I'm not clear when it says 'Specifications will be prepared by [Bechtel] Power Corporation to cover the following areas', how exactly are those specifications determined? Is it according to code or is Bechtel going to sit down and come out with what they determine are adequate specifications? How exactly is that going to be done? It probably would be helpful to know when those specifications will be available...."

Answer to Rosolie Question 1:

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The specifications referred to in Section 3.2.2.4 of PGE-1020 cover areas where Bechtel will utilize the services of a subcontractor. The referenced specifications will specify to the subcontractor, or potential subcontractor, the scope of the work or service to be provided and the quality standards that he must meet. The information and requirements in the specification will be in sufficient detail to allow potential

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contractors to submit bids on the job and subsequently to form the basis of a contract between Bechtel and the subcontractor.

As indicated on Page 3-7 of PGE-1020, the specifications will emphasize important points of applicable industry standards and reduce options that would otherwise be permitted by those standards. Nationally recognized industry standards, such as those published by the American Society for Testing and Materials (ASTM), are used in the specifications whenever possible to describe material properties, testing procedures, and fabrication and construction methods.

The specifications are presently under preparation but cannot be completed until the modifications are finally determined, which is dependent on the results of these hearings. The modifications as approved in the proceeding will be implemented in the final specifications.

Rosolie Question 2 (Tr. 3181-82):

"The next question I have is on page 4-9. It's under 'Plant Staff Review'. And if the Licensee could describe who the plant staff exactly is, how the plant staff differs from the Plant Review Board, and the Nuclear Operations Board, and perhaps what they mean by review."

Answer to Rosolie Question 2:

The review by the Plant Staff described at Page 4-9 of PGE-1020 is a review of the detailed work plans which will be conducted prior to commencement of work. The purpose of this review is to ascertain that the work to be performed has been described in sufficient detail and with accuracy in order to assure compliance with applicable Technical Specifications in operating license NPF-1 and other administrative controls established

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for work onsite. These reviews are conducted by members of the Quality Assurance Group of the Plant Staff.

The overall Plant Staff consists of PGE personnel in Operations, Maintenance, Engineering, Radiation Protection, Administrative, Training, and Quality Assurance assigned to work at the Trojan Plant. The functions of the Plant Staff include activities necessary to perform and/or support day-to-day operation, maintenance and testing of the Plant.

The principal function of the Plant Review Board and Nuclear Operations Board is to perform reviews and audits of activities related to safe operation of the Plant. The membership, responsibilities and authority of the Plant Review Board and Nuclear Operations Board are described in Administrative Order AO-2-1 and Standard Practice Instruction SPI 200-4, respectively. AO-2-1 and SPI 200-4 were provided to all parties as Attachment 1 to Licensee's responses dated September 25, 1978 to Interrogatories from the Coalition for Safe Power.

Rosolie Question 3 (Tr. 3182):

"The next question is on Page 4-10, third paragraph, the last line: 'Standard construction practices will be used to control noise and dust.' I'm not a construction person so I don't know exactly what those practices are. If the Licensee could describe what those practices are, I think that would be helpful in determining what work is going on in the building."

Answer to Rosolie Question 3:

Dust control will be primarily effected by light sprinkling with water, as required by the nature of the work in progress. Dust removal will be accomplished with fans and temporary ducting as necessary. Reduction of noise levels, if necessary, will be achieved by erection of temporary sound baffles.

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Rosolie Question 4 (Tr. 3182-83):

On Page 5-5: "'Prior to drilling any holes, a detailed survey will be performed from both sides of the wall to ensure that drilling will not contact cables, cable trays, or other equipment on or near the wall.' I'd like to know, is that going to be just a visual survey? I would also like to know how close is drilling going to take place to certain safety equipment. In certain places is it going to be six inches away, eight inches away, or whatever?"

Answer to Rosolie Question 4:

All bolt hole locations will be determined by surveyors and will be scribed by them on both sides of the wall before implementing any drilling. A visual survey will then determine any interferences between safety-related equipment located on or near the wall and the location of the drilling for the bolt holes. The equipment located on or near the Control Building west wall consists only of electrical cable trays, conduits and cable tray supports. Any interferences found between the equipment and these bolt holes will be resolved by locating the bolt hole parallel to the equipment within the design tolerances for location of bolts. Since bolts will also pass through an 18-in. square plate (see Figure 3.2-10), the closest a bolt hole could be to equipment is about 9 in.

Rosolie Question 5 (Tr. 3183):

"Going back to Page 5-4, the first full paragraph on the top of that page, it's talking about safety-related supply lines from diesel fuel oil storage tanks to the emergency diesel generator fuel oil day tanks, and it says it runs east-west about seven feet north of Column --, etc. Further down it talks about using light hand tools to minimize the hazard to them. Can you describe the type tools that will be used and perhaps even the hazards in using those hand tools?"

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Page 5Answer to Rosolie Question 5:

The light hand tools referred to are light commercial type items like picks, shovels, hoes, etc. These tools are particularly suitable for light excavation work with minimal hazard presented due to their ease of control and usage. Also see our answer to NRC Staff question 3 served on all parties March 28, 1979.

Rosolie Question 6 (Tr. 3183):

"My next question is on page 5-11, and on the top of the page there it's talking about the R-line wall work will be near the safety-related switch gear room at elevation 69 with an access pass maintained in this area at all times. I'd like to know exactly how that access pass is going to be maintained."

Answer to Rosolie Question 6:

An adequate access path will primarily be maintained by administrative procedures and controls supplemented by temporary barriers to keep access open as required.

Rosolie Question 7 (Tr. 3183-84):

"Further down [on Page 5-11] it states: 'While some drilling will occur at higher elevations than R-line welds, the noise and activity of the modification work will not adversely affect plant operation.' I guess the question I have there is I know in the first part of the hearings it seemed to me that we relied on the annunciators to be alerted that there was an earthquake, and that they made some noise. And I was wondering if drilling was going on and there was noise and those annunciators went off, would it be possible to hear them?"

Answer to Rosolie Question 7:

There is no audible annunciator associated with the seismic instrumentation at Trojan, and an audible annunciator is not

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relied upon. It has been stated, however, that actuation of the time-history recorder does incidentally create noise likely to be heard by the operator. Although it is not necessary that this recorder be heard, standard construction practices will be used to minimize noise and interference in the control room during drilling operations, and it is likely that actuation of the recorder will still be audible.

Bell Question 1 (Tr. 3184):

"Regarding the sliding equipment hatch on the east wall of the control building at elevation 65, I'd like to have a bit more information on its former and intended use, and any possible hypothesized use that it was intended for, I suppose, and how what it would have been used for will be done in any other way, basically, all the ramifications of plugging that hatch up."

Answer to Bell Question 1:

As clarification, the door in the east wall of the Control Building at Elevation 65 ft opens 20 ft above ground from the electrical switchgear room and thus is not suitable for access by operators or emergency personnel. This door is closed by a roll-up metal door with a thick sliding metal missile shield bolted on the inside. It was originally provided to allow movement of large pieces of equipment and machinery to/from the battery, switchgear and mechanical rooms at Elevations 61 ft and 65 ft. This door remained following construction for future movement of large pieces of equipment to/from the areas previously listed. Equipment that has or might have been moved through this door includes: test equipment, switchgear cabinets and components, transformers, motor-generator sets, fans, cooling units, battery cells and battery chargers. With the door not available, equipment passage to and from these areas will be via the Auxiliary Building or the Control Building

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elevator and may require additional disassembly of equipment which would not have been necessary for passage through the roll-up door.

Bell Question 2 (Tr. 3184):

"I would like more detailed information on where welding is going to occur, especially in reference to the installation of steel plates."

Answer to Bell Question 2:

Welding for most plate sections will be done in-place on the west (Turbine Building) side of the R-line wall. Some welding of plate sections, particularly those to be located over the cable trays, may be done at the operating deck level (Elevation 93 ft) of the Turbine Building prior to lowering the plate into place.

No welding of the steel plate will be done inside the Control Building. The only other welding for the structural modifications will be in connection with the studs to be welded to beams as depicted in Figures 3.2-6, 3.2-7, and 3.2-9.

Bell Question 3 (Tr. 3184-85):

"I would like to have further information on the actual fire tests on the protective blankets that will be used for weld screens rather than simply the production of a product information sheet that was served on us as an answer to an

Answer to Question 3:

Fire Tests support data on the Claremont Weld Shield 24 are being obtained from the Claremont Company, Inc., 82 Camp Street, Meriden, Connecticut, and will be placed in the Discovery Room upon receipt.

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Bell Question 4 (Tr. 3185):

"I had asked in an interrogatory what other construction is presently in progress at the Trojan site, and Licensee objected to the interrogatory on the grounds that it wasn't relevant. But I think that the information on what kind of construction, other construction is going on and how many workers are involved and what areas they're involved in should go to the person who will be doing the sort of security analysis of modifications, because I think that's important."

Answer to Bell Question 4:

As agreed to in the Prehearing Conference, March 29-30, 1979, Licensee will provide the foregoing information to NRC security reviewers.

As you are aware, some of the questions above do not relate directly to admitted contentions. Our answers are provided solely to assist you in better understanding the activities described in PGE-1020 and should not be considered as admissions that the subject matter of the questions is relevant to the contentions.

We request that for your future mailings in this proceeding, your service list include Ronald W. Johnson, Esq., for PGE, as indicated in our recent Notice of Change of Address, rather than H. H. Phillips.

Sincerely,



L. W. Erickson
Trojan Licensing Supervisor
Generation Licensing & Analysis

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c: Service List

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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD



In the Matter of)
) Docket 50-344
PORTLAND GENERAL ELECTRIC COMPANY,)
et al) (Control Building Proceeding)
)
(Trojan Nuclear Plant))

CERTIFICATE OF SERVICE

I hereby certify that on April 20, 1979, Licensee's letter dated April 20, 1979 to Ms. Bell and Mr. Rosolie with answers to intervenors' questions, has been served upon the persons listed below by depositing copies thereof in the United States mail with proper postage affixed for first class mail.

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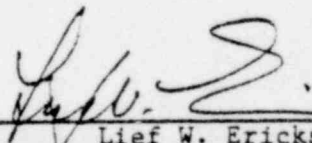
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Trojan Licensing Supervisor
Portland General Electric Company

Dated: April 20, 1979

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